

REMARKS

Reconsideration of this application, as amended, is respectfully requested.

Claims 1 and 3-36 are pending. Claims 1 and 3-36 stand rejected.

Claims 1, 3-36 have been amended. No claims have been cancelled. No claims have been added. Support for the amendments is found in the specification, the drawings, and in the claims as originally filed. Applicants submit that the amendments do not add new matter.

Claims 1, 3-36 have been amended to correct grammatical errors.

Rejections Under 35 U.S.C. § 102(e)

Claims 1, 3, 8-11, 13-15, 18 and 19 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Parrish (“Parrish”), U.S. Patent No. 6,704,879.

Applicants have amended claim 1 to particularly point out that a method of managing power in a graphics controller includes receiving a change indication related to a system power supply and adjusting the graphics controller power supply voltage level.

The Examiner stated that

As per claim 1, Parrish teaches....adjusting a controller power supply voltage [col.2, lines 60-65]

(Office Action, p. 2, 06/07/05)

Applicants respectfully disagree. Parrish, in contrast, discloses managing power in a graphics adapter by modifying the frequency of the oscillator of the graphics adaptor (col. 2, line 59- col. 3, line 18). More specifically, Parrish discloses

When data is stored in the register 115, a routine of the graphics BIOS 114 may be invoked to respond to the change in power supply by modifying the frequency of the oscillator 118.

(Parrish, col. 2, lines 60-65)

Thus, Parrish merely discloses changing a power of a graphics adapter by changing a frequency of the oscillator, in contrast to adjusting a voltage level of a graphics controller power supply in response to a change in a system power supply, as recited in amended claim 1.

Because Parrish does not disclose all limitations of amended claim 1, applicants respectfully submit that claim 1 is not anticipated by Parrish under 35 U.S.C. 102§(e).

Because claim 15 contains at least the same limitation as discussed above with respect to amended claim 1, applicants respectfully submit that claim 15 is likewise not anticipated by Parrish under 35 U.S.C. § 102(e).

Given that claims 3-14, and 16-22 depend, directly or indirectly, from respective amended claims 1 and 15, and add additional limitations, applicants respectfully submit that claims 3-14, and 16-22 are likewise not anticipated by Parrish under 35 U.S.C. § 102(e).

Rejections Under 35 U.S.C. § 103(a)

Claims 4, 5 and 12 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,704,879 of Parrish (“Parrish”) in view of U.S. Patent No. 5,349,525 of Dunki-Jacobs, et al. (“Jacobs”). Claims 6, 7, 16 and 17 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Parrish in view of U.S. Patent No. 6,618,042 of Powell (“Powell”). Claims 20-22 and 36 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Parrish in view of U.S. Patent No. 5,524,249 of Suboh (“Suboh”). Claims 23-35 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Parrish, in view of Powell, Jacobs, and Suboh.

With respect to amended claim 1, as discussed above, Parrish fails to disclose adjusting a graphics controller power supply voltage level.

Jacobs merely discloses an ultrasonic imaging system, and disabling color look up table in response to dropping echo signal and, similarly to Parrish fails to disclose such a limitation of amended claim 1.

Therefore, it is respectfully submitted that claim 1 is not obvious under 35 U.S.C. § 103 (a) over Parrish in view of Jacobs.

Given that claims 4, 5, and 12 depends from amended claim 1, and add additional limitations, applicants respectfully submit that claims 4, 5, and 12 are likewise not obvious under 35 U.S.C. § 103 (a) over Parrish in view of Jacobs.

Claims 6, 7, 16 and 17 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Parrish in view of Powell.

With respect to amended claim 1, as discussed above, Parrish fails to disclose adjusting a graphics controller power supply voltage level.

Powell merely discloses reducing a display brightness on a portable computer when a user switches to computer's internal batteries, and similar to Parrish and Jacobs, fails to disclose, teach, or suggest such a limitation of amended claim 1.

Therefore, it is respectfully submitted that claim 1 is not obvious under 35 U.S.C. § 103 (a) over Parrish in view of Powell.

Because claim 15 contains at least the limitations as discussed above with respect to amended claim 1, applicants respectfully submit that claim 15 is likewise not obvious under 35 U.S.C. § 103 (a) over Parrish in view of Powell.

Given that claims 6, 7, 16 and 17 depend, directly or indirectly, from respective amended claims 1 and 15, and add additional limitations, applicants respectfully submit that claims 6, 7, 16 and 17 are likewise not obvious under 35 U.S.C. § 103 (a) over Parrish in view of Powell.

Claims 20-22 and 36 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Parrish in view of Suboh.

Suboh merely discloses performing power management of a video subsystem by turning off the power of the RAM and pixel clock in contrast to adjusting a graphics controller power supply voltage level, as recited in amended claim 15.

Therefore, it is respectfully submitted that claim 15 is not obvious under 35 U.S.C. § 103 (a) over Parrish in view of Suboh.

Given that claims 20-22 depend, directly or indirectly, from amended claim 15, and add additional limitations, applicants respectfully submit that claims 20-22 are likewise not obvious under 35 U.S.C. § 103 (a) over Parrish in view of Suboh.

Because claim 36 contains at least the limitations as discussed above with respect to amended claims 1 and 15, applicants respectfully submit that claim 36 is likewise not obvious under 35 U.S.C. § 103 (a) over Parrish in view of Suboh.

Claims 23-35 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Parrish, in view of Powell, Jacobs, and Suboh.

Applicants have amended claim 23 to include a power supply input configured to receive power at a range of voltages from a voltage regulator and a power supply control output to provide a trigger signal to the voltage regulator to change the voltage level supplied to the graphics controller. As discussed above, neither of the references cited by the Examiner discloses, teaches, or suggests such limitations of amended claim 23.

Therefore, it is respectfully submitted that claim 23 is not obvious under 35 U.S.C. § 103 (a) over Parrish, in view of Powell, Jacobs, and Suboh.

Given that claims 24-34 depend, directly or indirectly, from amended claim 23, and add additional limitations, applicants respectfully submit that claims 24-34 are likewise not obvious under 35 U.S.C. § 103 (a) over Parrish, in view of Powell, Jacobs, and Suboh.

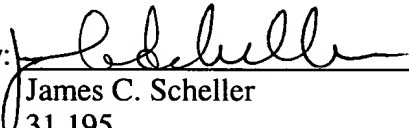
Because claim 35 contains at least the limitations as discussed above with respect to amended claim 23, applicants respectfully submit that claim 35 is likewise not obvious under 35 U.S.C. § 103 (a) over Parrish, in view of Powell, Jacobs, and Suboh.

It is respectfully submitted that in view of the amendments and arguments set forth herein, the applicable rejections and objections have been overcome. If there are any additional charges, please charge Deposit Account No. 02-2666 for any fee deficiency that may be due.

Respectfully submitted,

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